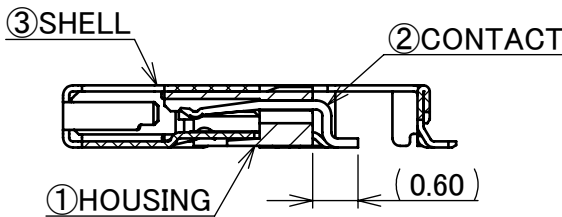


Recommended P/N 20849-0**E-01

PART NO.	Pos.	A	B	C	D	E
20849-020E-0#	20	11.30	9.50	14.33	15.10	11.91
20849-030E-0#	30	16.30	14.50	19.33	20.10	16.91
20849-040E-0#	40	21.30	19.50	24.33	25.10	21.91

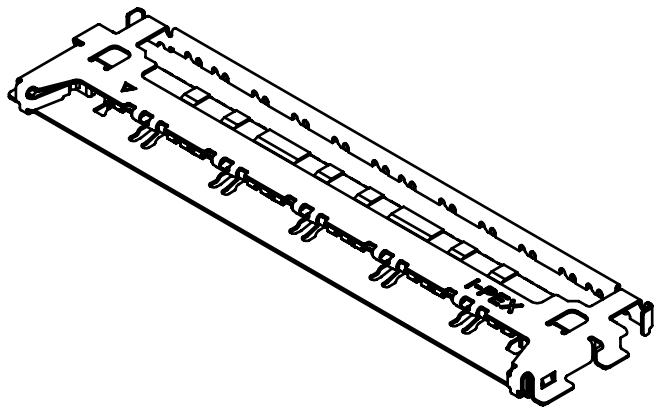
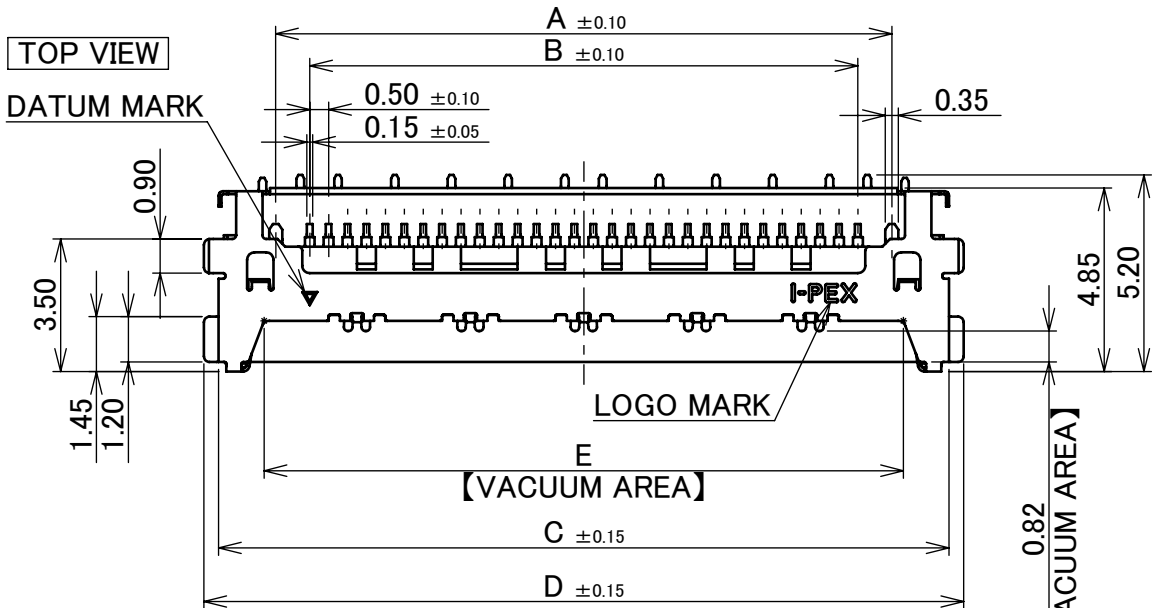
P/N : 20849- 0 ** E- 0 #
SEE TABLE 1
POS.



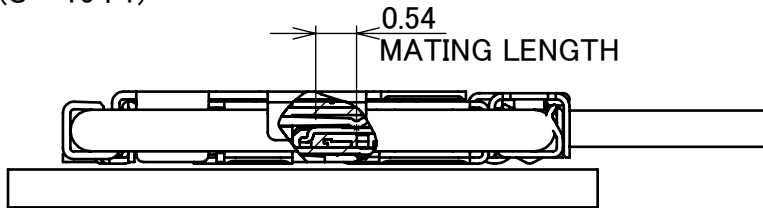
Halogen Free



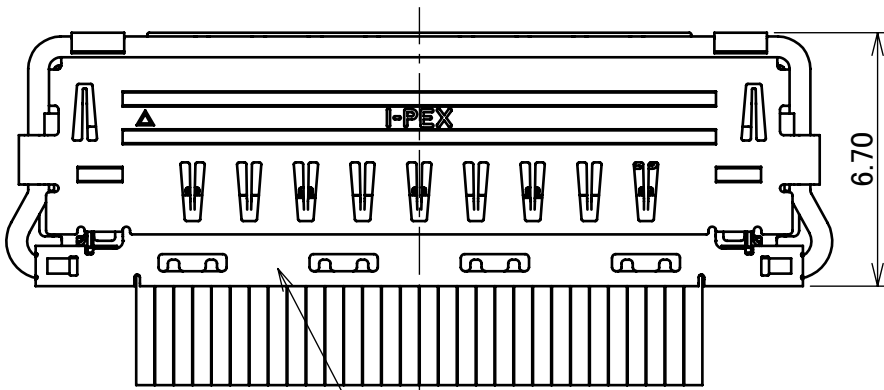
RoHS Compliant



SECT. W-W
(S = 10 : 1)

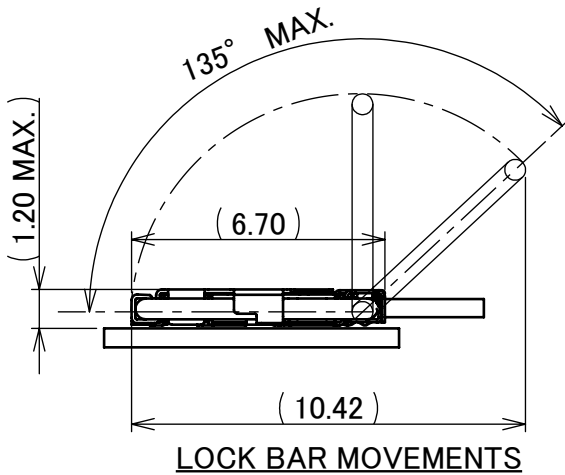


MATING CONDITION
(S = 10 : 1)



PLUG P/N : 20846-0**T-0#

MATING CONDITION



LOCK BAR MOVEMENTS

BOTTOM VIEW

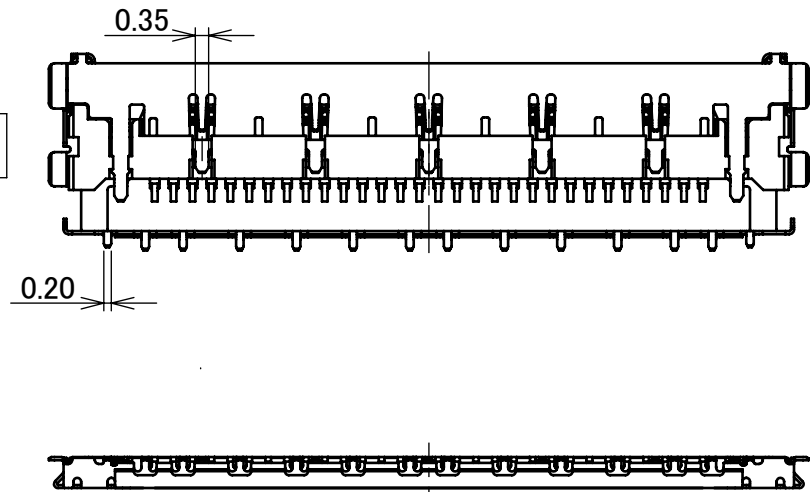


TABLE.1

PART NO.	CONTACT FINISH	SHELL FINISH
20849-0**E-01	CONTACT & SOLDERING AREA : Au 0.03 μ m MIN. OVER Ni 1.00 μ m MIN.	ALL OVER Ni 1.00 μ m MIN. SOLDERING AREA : Au 0.02 μ m MIN.
20849-0**E-02	CONTACT AREA : Au 0.38 μ m MIN. OVER Ni 1.27 μ m MIN. SOLDERING AREA : Au 0.03 μ m MIN. OVER Ni 1.00 μ m MIN.	

NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS
3	SHELL	PHOSPHOR BRONZE	SEE TABLE 1
2	CONTACT	PHOSPHOR BRONZE	SEE TABLE 1
1	HOUSING	LCP	UL94V-0, BLACK

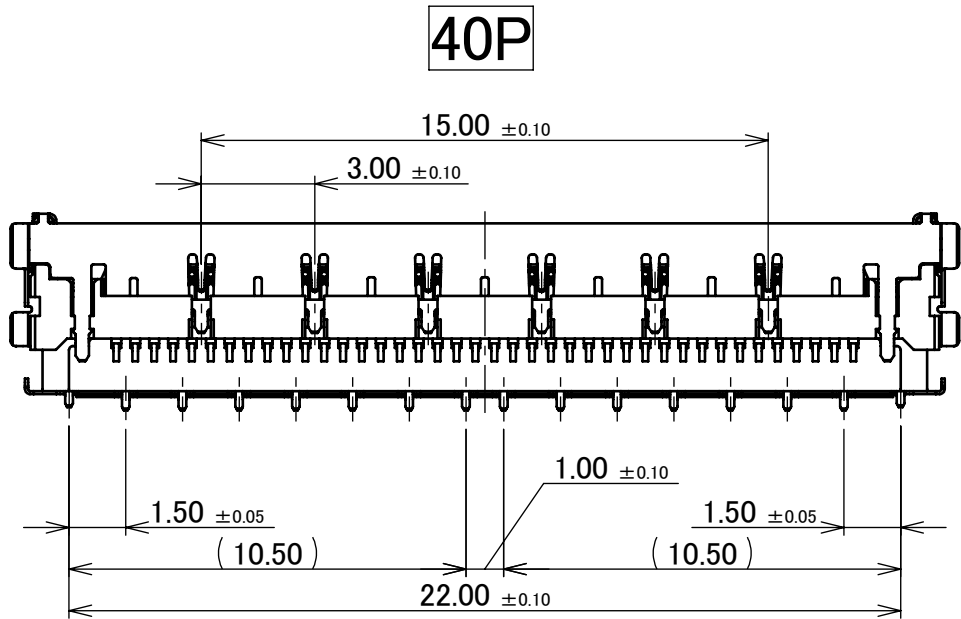
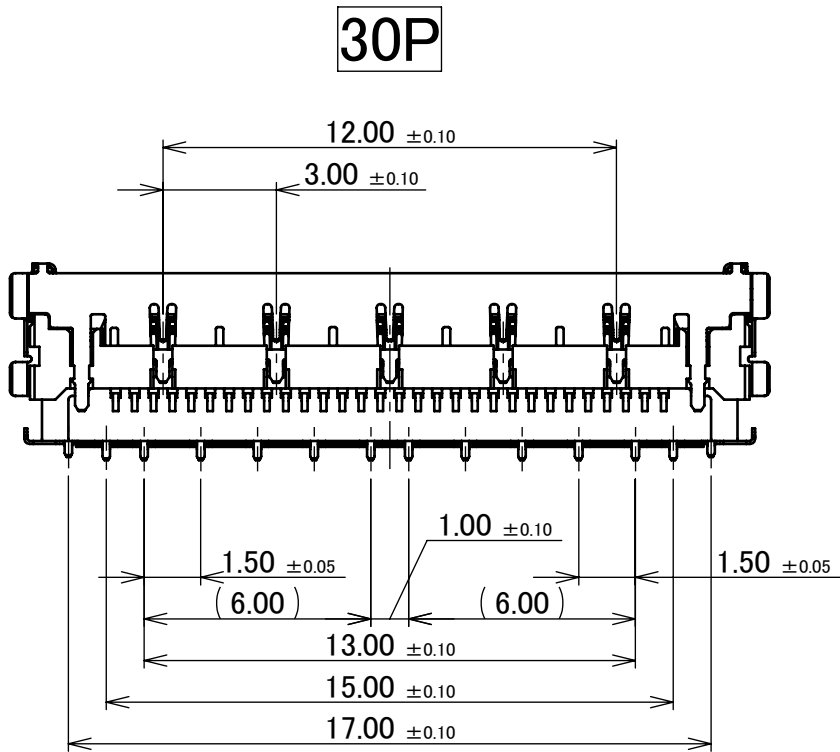
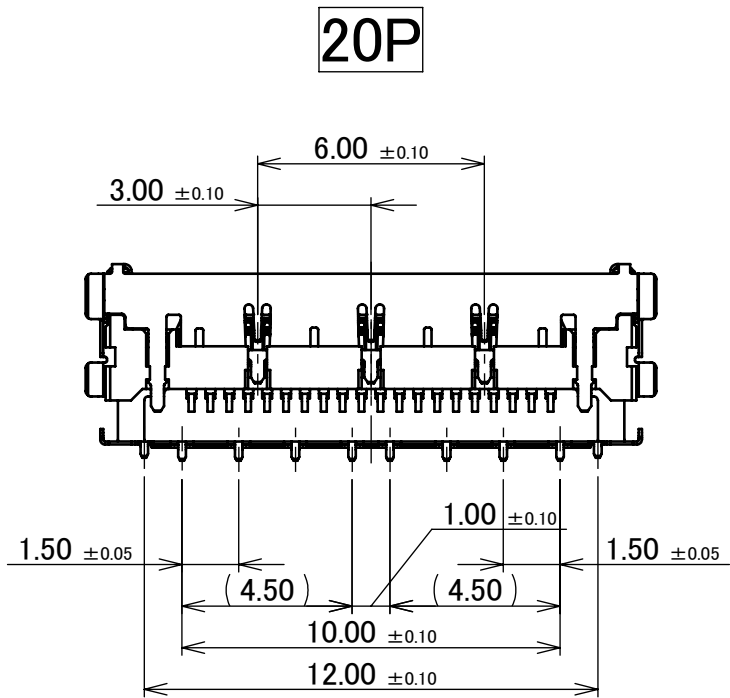
10	Z231032	H.U	Sep./26/'23	M.T	ANGLE	±2°	6 OVER 30 MAX.	±0.3		SERIES No.	R2	CUSTOMER COPY		
9	Z230311	Y.I	Mar./17/'23	M.T	6 MAX.	±0.2	30 OVER 120 MAX.	±0.5						
8	Z220254	K.W	Mar./09/'22	H.I	GENERAL TOLERANCE.				TITLE CABLINE® –VS II RECEPTACLE ASSEMBLY		SCALE	I-PEX		
7	Z220121	M.N	Feb./04/'22	H.I	DWG.	DATE		5:1						
6	Z201143	M.N	Nov./04/'20	H.I	K.Baba		2017/07/25	UNIT						
5	Z200862	M.N	Aug./21/'20	H.I	CHK.			mm						
REV.	ECN	BY	DATE	APP.	T.Kurachi				DWG. No.	20849		SIZE	SHEET	REV.
REVISION RECORD					Y.Shimada						A3	1/8	10	

PATENT REGISTERED

PART NO.	Pos.
20849-020E-0#	20
20849-030E-0#	30
20849-040E-0#	40

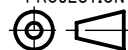
BOTTOM VIEW

PATENT REGISTERED

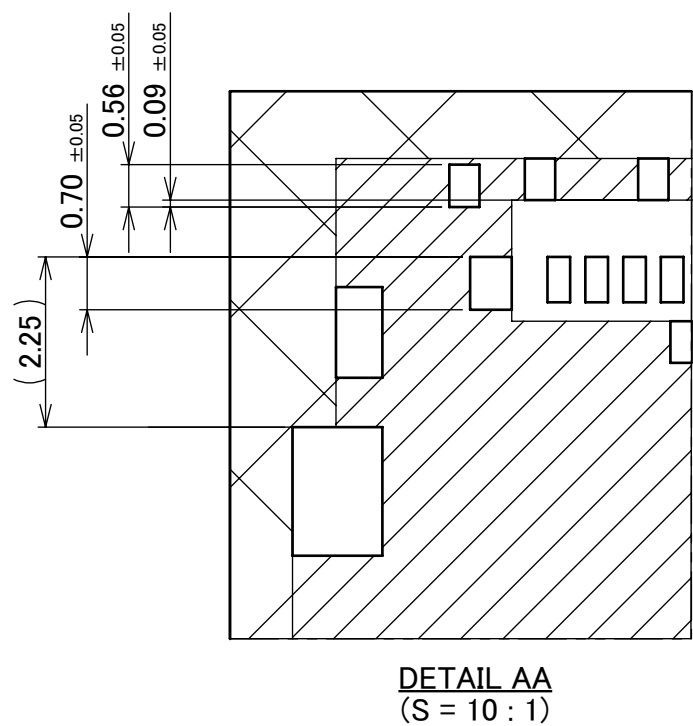
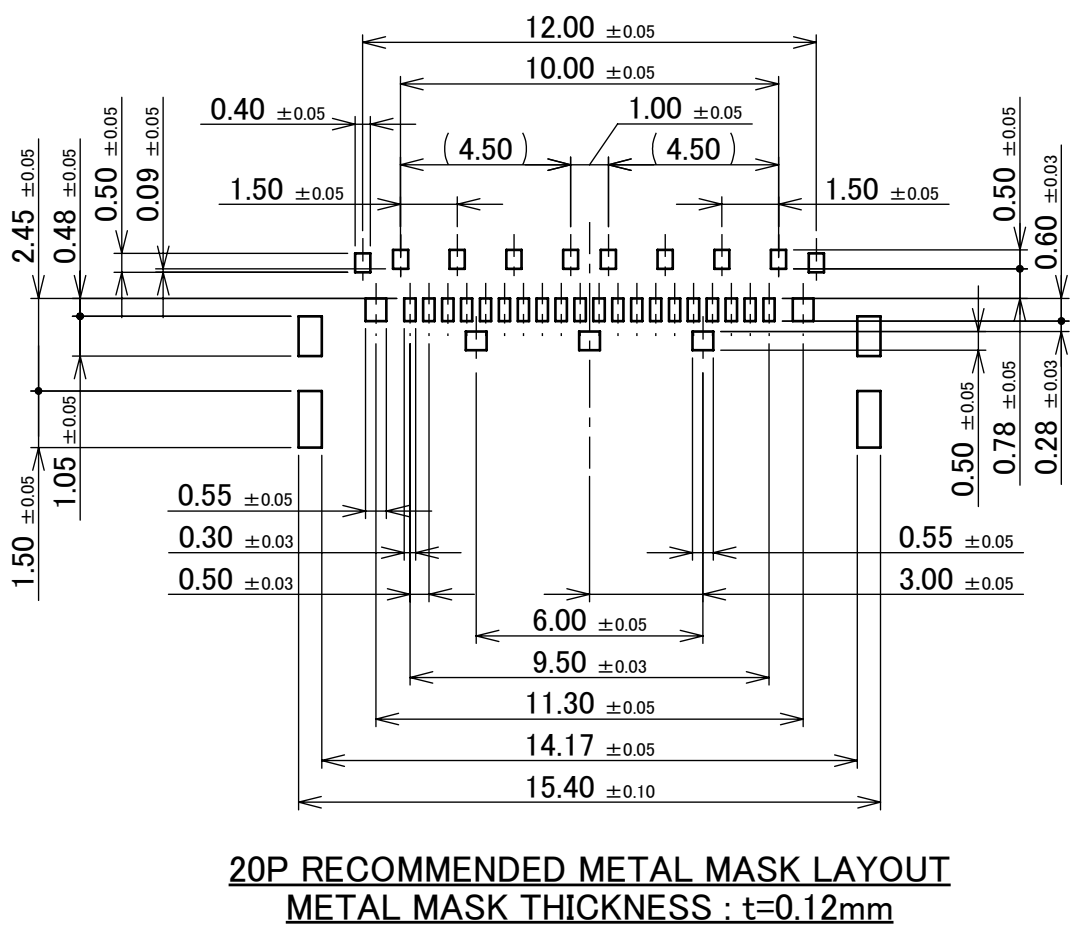
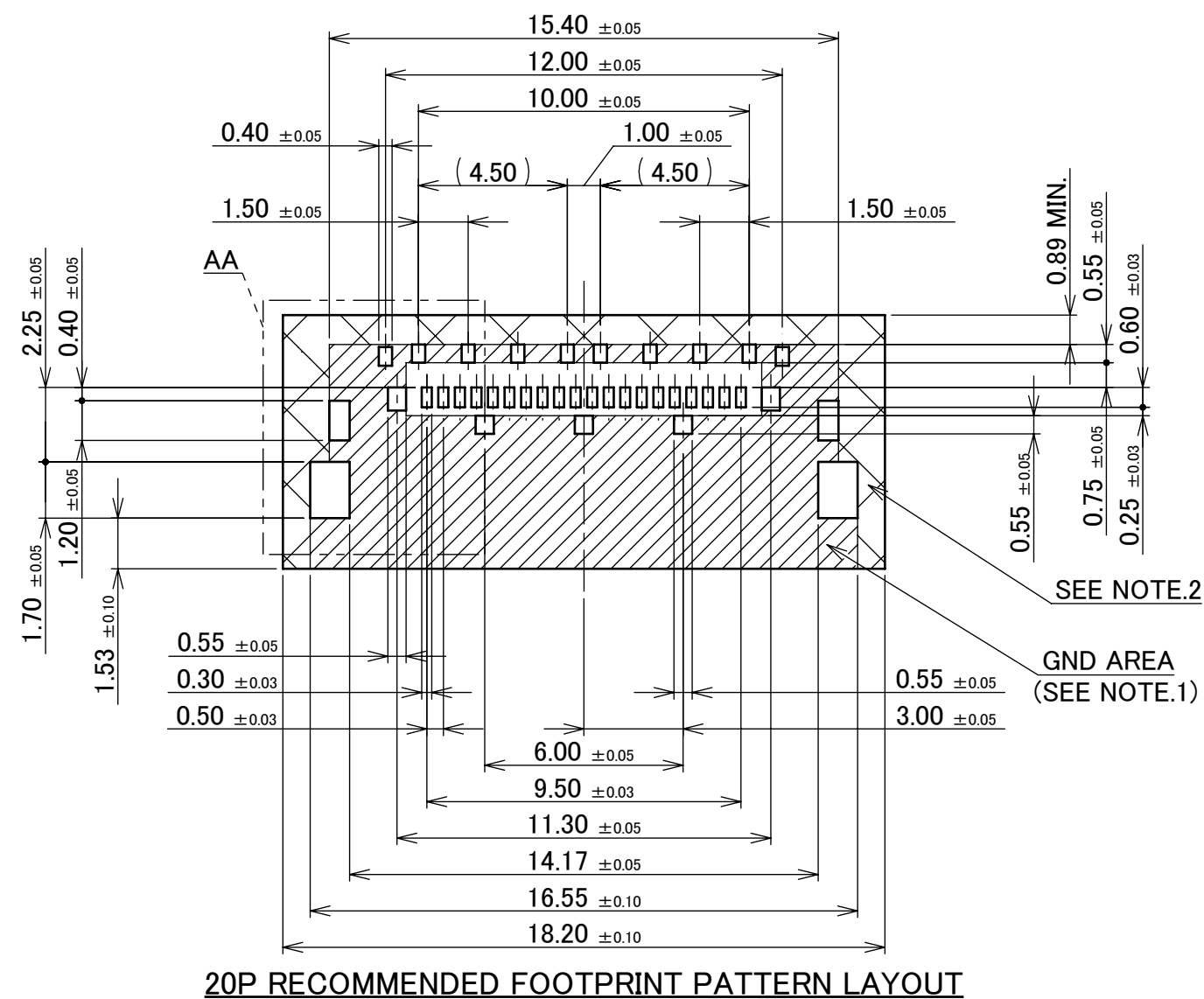


ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION	SERIES No.	CUSTOMER COPY			
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5		R2				
GENERAL TOLERANCE.				TITLE CABL [®] INE -VS II RECEPTACLE ASSEMBLY		SCALE	I-PEX		
DWG.	DATE					5:1			
CHK.						UNIT			
						mm			
APP.				DWG. No.		SIZE	SHEET	REV.	
				20849		A3	2/8	10	

ITEMS	SPECIFICATION
APPLICABLE CABLE	MICRO-COAXIAL CABLE : AWG# 44 , 42 , 40 , 38 , 36 DISCRETE WIRE : AWG# 36 , 34 , 32 TWINAX CABLE : AWG# 40
RATING VOLTAGE	100V AC (PER CONTACT PIN)
RATING AMPERAGE (FOR CONTACT)	0.1A AC/DC [AWG#44] PER CONTACT PIN/UP TO 40 CONTACTS 0.24A AC/DC [AWG#42] PER CONTACT PIN/UP TO 40 CONTACTS 0.3A AC/DC [AWG#40] PER CONTACT PIN/UP TO 40 CONTACTS 0.5A AC/DC [AWG#38] PER CONTACT PIN/UP TO 23 CONTACTS 0.8A AC/DC [AWG#36] PER CONTACT PIN/UP TO 10 CONTACTS 1.0A AC/DC [AWG#34] FOR POWER PER CONTACT PIN/UP TO 9 CONTACTS 1.0A AC/DC [AWG#32] FOR POWER PER CONTACT PIN/UP TO 9 CONTACTS ※TESTING BY A REAL MACHINE IS RECOMMENDED BECAUSE TEMPERATURE RISE MAY AFFECTED BY ACTUAL SITUATION
OPERATING TEMPERATURE	233~378K(-40℃~+105℃)
OPERATING HUMIDITY	85% MAX.(NON-CONDENSING)
CONTACT RESISTANCE	INITIAL : 140mohm MAX.(AWG#32) / AFTER TEST : $\triangle$ 40mohm MAX. 180mohm MAX.(AWG#34) 275mohm MAX.(AWG#36) 360mohm MAX.(AWG#38) 600mohm MAX.(AWG#40) 700mohm MAX.(AWG#42) 1080mohm MAX.(AWG#44)
GROUND SHELL RESISTANCE	INITIAL : 50mohm MAX. / AFTER TEST : $\triangle$ 40mohm MAX.
INSULATION RESISTANCE	INITIAL : 1000Mohm MIN. / AFTER TEST : 500Mohm MIN.
DIELECTRIC WITHSTANDING VOLTAGE	AC250V 1min
DURABILITY	30 CYCLES
MATING FORCE (INITIAL / AFTER 30 CYCLES)	20P : 9.70N MAX. 30P : 14.55N MAX. 40P : 19.40N MAX.
UNMATING FORCE (INITIAL / AFTER 30 CYCLES)	20P : 2.00N MIN. 30P : 3.00N MIN. 40P : 4.00N MIN.
CABLE RETENTION FORCE	20P : 9.80N MIN. 30P : 14.70N MIN. 40P : 19.60N MIN.
COPLANARITY	0.10 MAX.
PRODUCT SPECIFICATION	PRS-2398
TEST REPORT	TR-17060 (20849-0**E-01) / TR-18048 (20849-0**E-02)
PACKING STANDARD	PST-17079
INSTRUCTION MANUAL	HIM-17015
ASSEMBLY MANUAL	ASM-17005
APPEARANCE CRITERIA No.	QLS-A***

ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION	SERIES No.	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5		R2			
GENERAL TOLERANCE.				TITLE CABL [®] -VS II RECEPTACLE ASSEMBLY		SCALE		
DWG.	DATE					—		
CHK.						UNIT		
APP.						mm		
				DWG. No.	20849	SIZE	SHEET	REV.
						A3	3/8	10

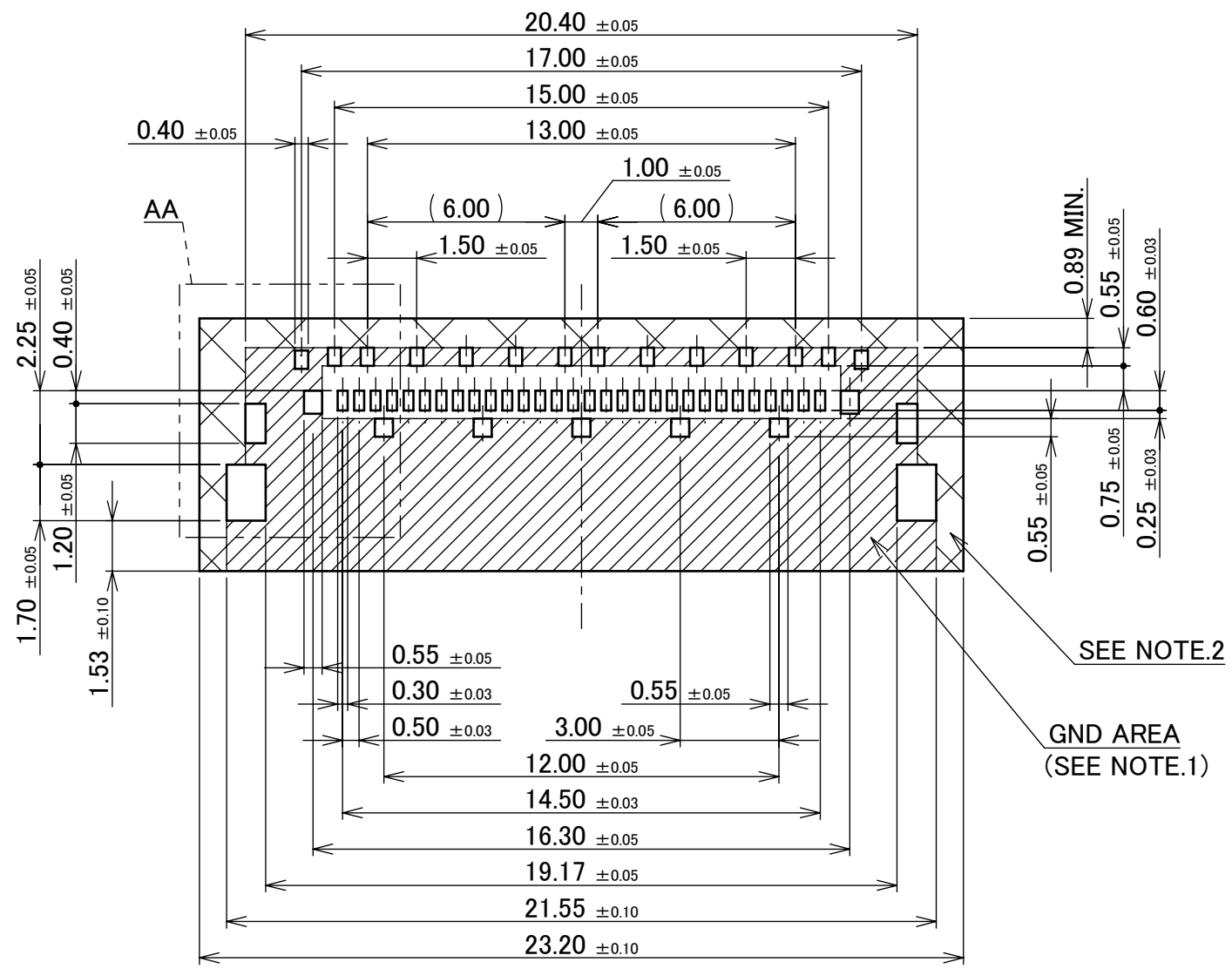
PATENT REGISTERED



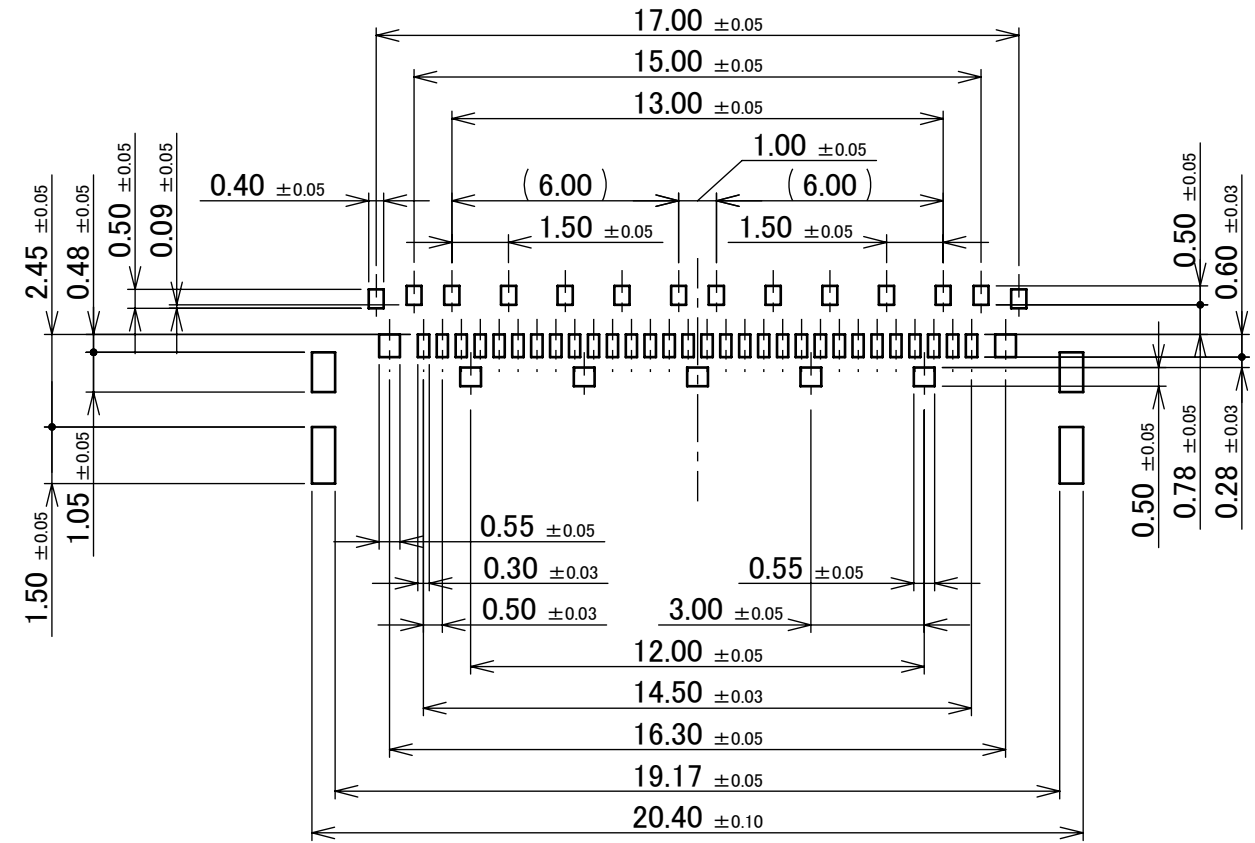
- NOTES.
1. SOLDER RESIST MUST BE APPLIED TO THIS AREA.
 2. DO NOT MOUNT ANOTHER COMPONENT IN THIS AREA.

ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION	SERIES No.	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5		R2			
GENERAL TOLERANCE.				TITLE CABLIN® -VS II RECEPTACLE ASSEMBLY		SCALE	I-PEX	
DWG.	DATE					5:1		
CHK.						UNIT		
APP.						mm		
				DWG. No.	20849	SIZE	SHEET	REV.
						A3	4/8	10

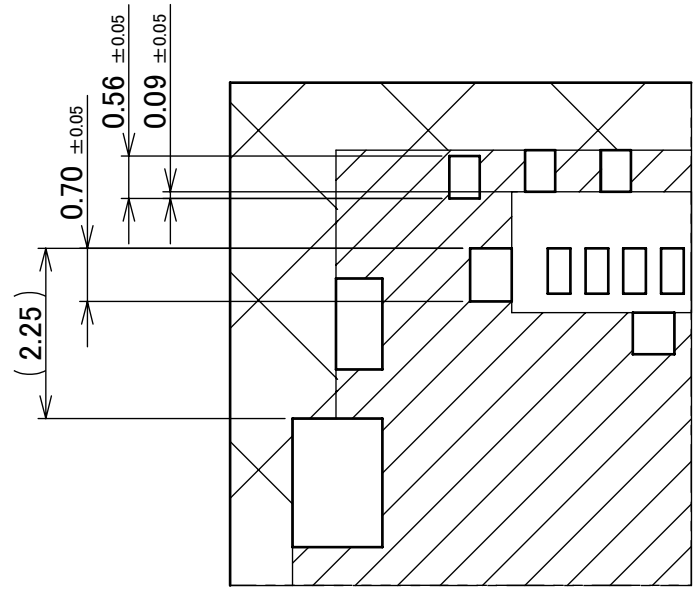
PATENT REGISTERED



30P RECOMMENDED FOOTPRINT PATTERN LAYOUT



30P RECOMMENDED METAL MASK LAYOUT
METAL MASK THICKNESS : t=0.12mm

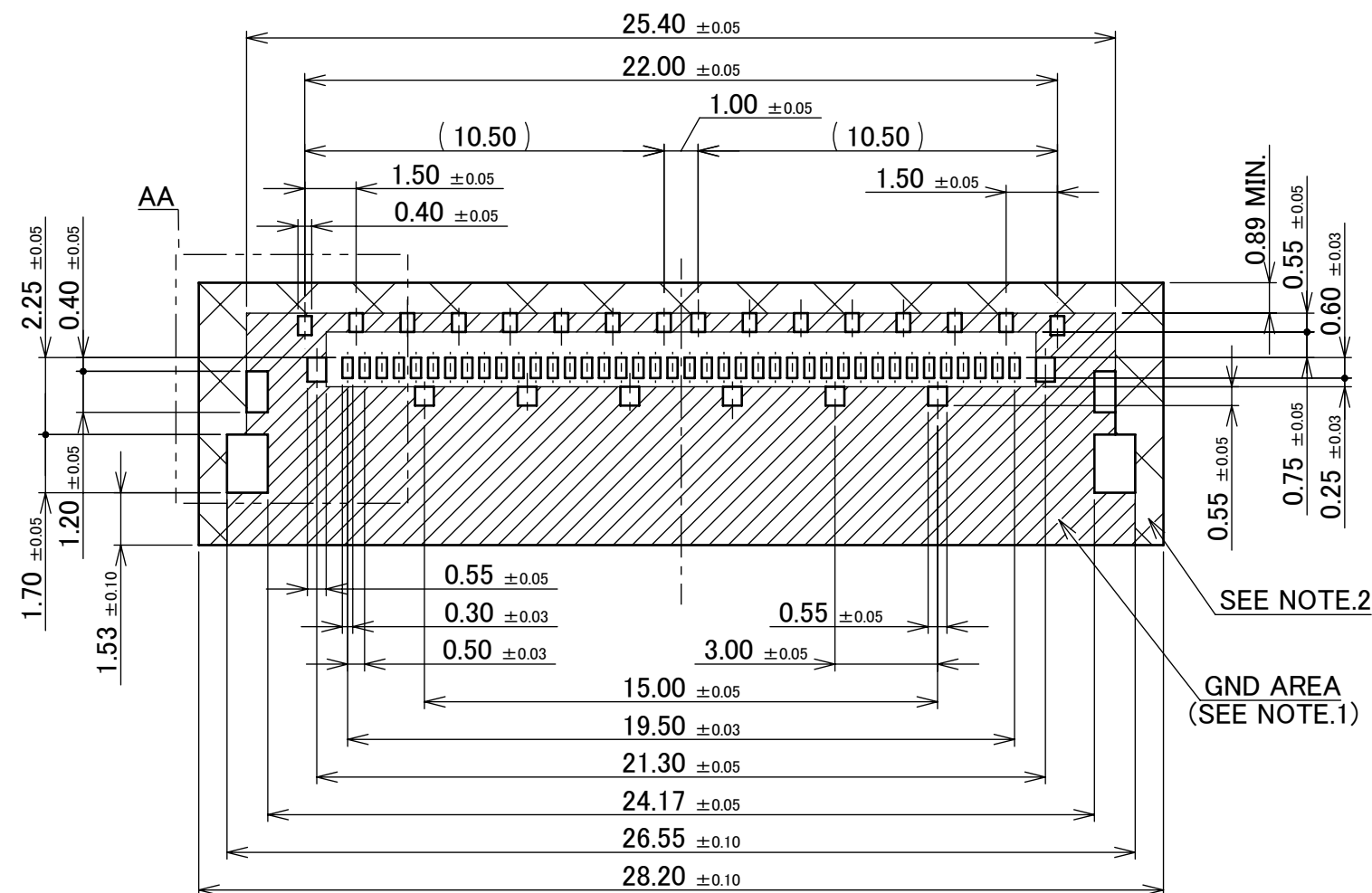


DETAIL AA
(S = 10 : 1)

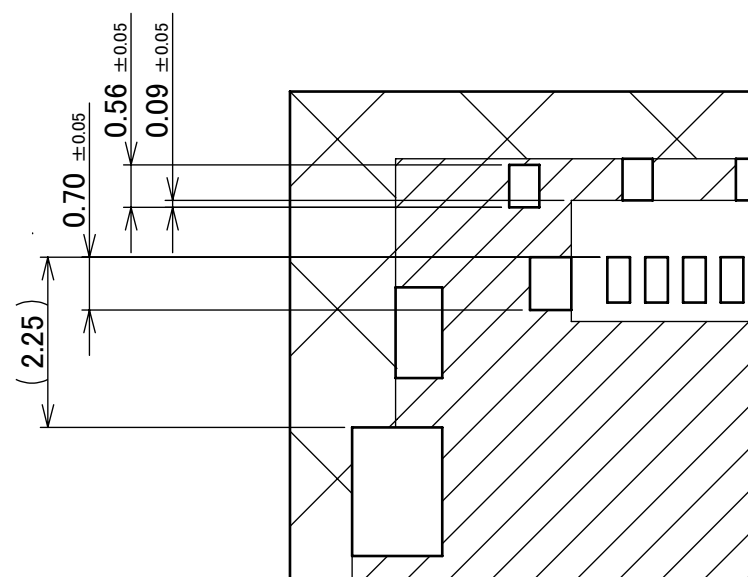
- NOTES.
- 1. SOLDER RESIST MUST BE APPLIED TO THIS AREA.
 - 2. DO NOT MOUNT ANOTHER COMPONENT IN THIS AREA.

ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION	SERIES No.	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5		R2			
GENERAL TOLERANCE.				TITLE CABLIN [®] –VS II RECEPTACLE ASSEMBLY		SCALE	I-PEX	
DWG.	DATE					5:1		
CHK.						UNIT		
APP.						mm		
				DWG. No.	SIZE	SHEET	REV.	
				20849	A3	5/8	10	

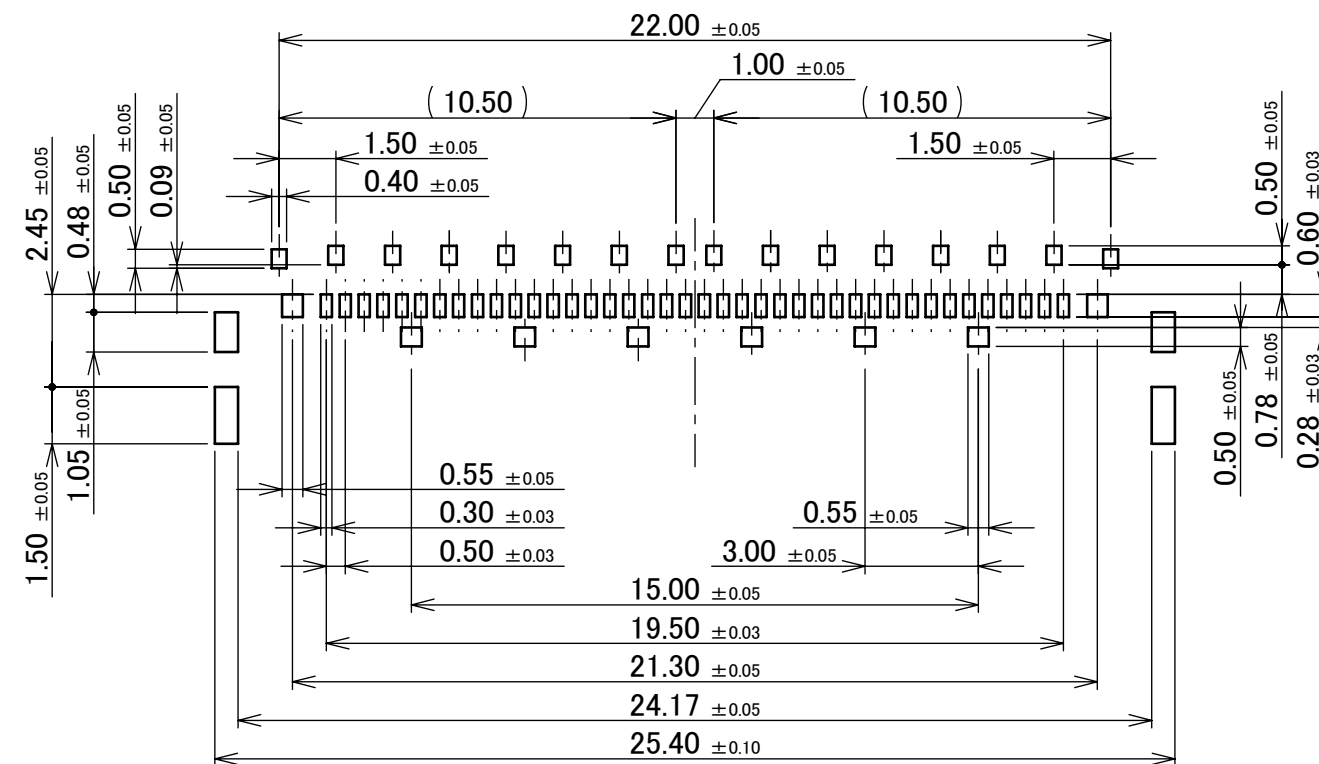
PATENT REGISTERED



40P RECOMMENDED FOOTPRINT PATTERN LAYOUT



DETAIL AA
(S = 10 : 1)

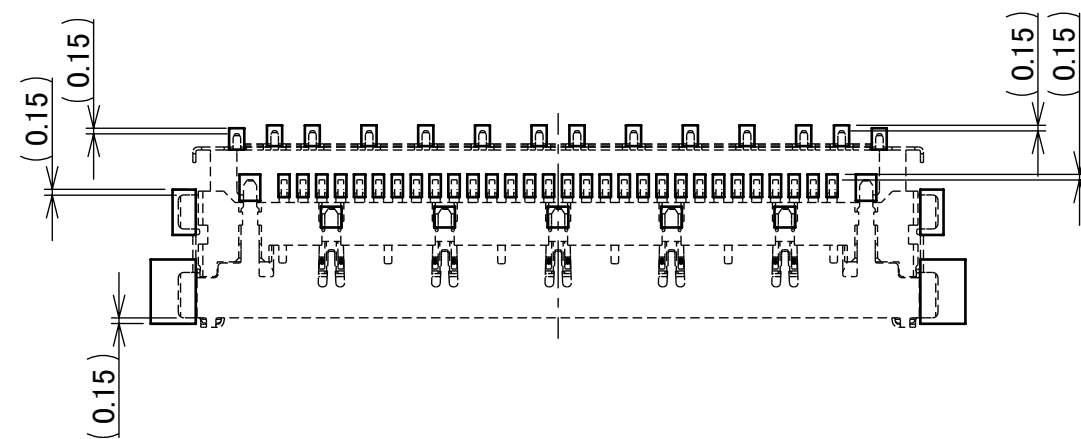


40P RECOMMENDED METAL MASK LAYOUT
METAL MASK THICKNESS : t=0.12mm

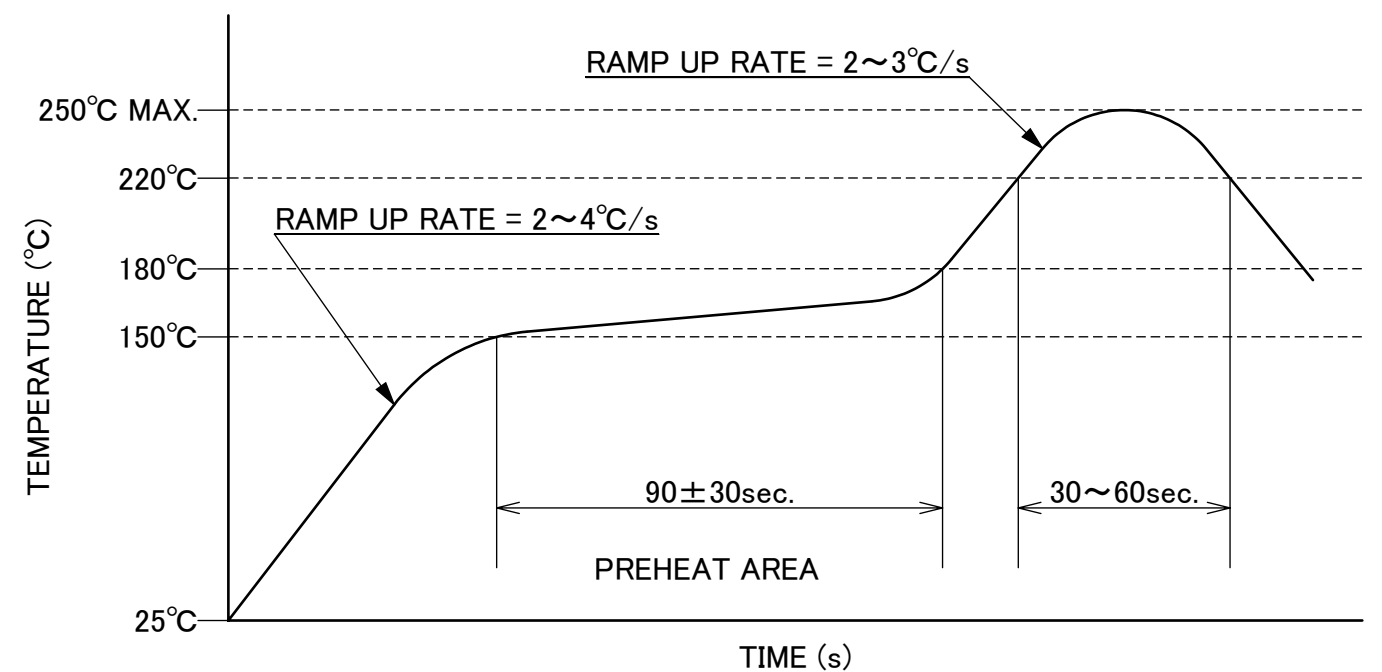
NOTES.

1. SOLDER RESIST MUST BE APPLIED TO THIS AREA.
2. DO NOT MOUNT ANOTHER COMPONENT IN THIS AREA.

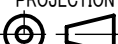
ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION	SERIES No.	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5	⊕	R2			
GENERAL TOLERANCE.				TITLE		SCALE		
DWG.	DATE			CABLINE® -VS II		5:1		
CHK.				RECEPTACLE ASSEMBLY		UNIT	I-PEX	
APP.				DWG. No.		mm		
				20849		SIZE	SHEET	REV.
						A3	6/8	10



CONNECTOR ON RECOMMENDED FOOTPRINT PATTERN



REFLOW TEMPERATURE PROFILE
SENJU METAL INDUSTRY CO., LTD. : M705-SHF(Sn96.5 Ag3.0 Cu0.5)

ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION 	SERIES No. R2	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
GENERAL TOLERANCE.				TITLE CABLINE® -VS II RECEPTACLE ASSEMBLY	SCALE 5:1 UNIT mm	I-PEX		
DWG.		DATE						
CHK.								
APP.								
				DWG. No.	20849	SIZE A3	SHEET 7/8	REV. 10

PART NO.	M	N	P	Q	R	QTY. PER EMBOSS REEL (PIECES / REEL)	QTY. PER PACKING CARTON (REELS / CARTON)
20849-020E-0#	24.00	11.50	-	11.70	15.50	5500 / REEL	5 / CARTON = 27500
20849-030E-0#	32.00	14.20	28.40	16.70	20.50		4 / CARTON = 22000
20849-040E-0#	44.00	20.20	40.40	21.70	25.50		3 / CARTON = 16500

